NEWZEN CONSULTANT BANGALORE

NC/PMC/PD/MW-01/2017-18/AM-CA1 Date: 12-03-2018

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	97.50	85-100	90 - 100
10 mm	4.90	0 - 20	25 - 55
4.75 mm	3.95	0 - 5	0 - 10

TABLE 1. 2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	22.50%	Not to exceed 25 %
2.	Crushing value	27.32%	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

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NC/PMC/PD/MW-01/2017-18/AM-SSM1

Date: 20-03-2018

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1295.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.39 %**	Not more than 2.0 %

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NC/PMC/PD/MW-01/2017-18/AM-SSM2 **Date: 26-03-2018**

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1305.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.37 %**	Not more than 2.0 %

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NC/PMC/PD/MW-01/2017-18/AM-SSM3 **Date: 29-03-2018**

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1285.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.38 %**	Not more than 2.0 %

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NC/PMC/PD/MW-01/2018-19/AM-S1

Date: 04-04-2018

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 08, 12 & 16 mm **TMT Steel.**
{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

TABLE – 1

SL No	Details	For 8 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**8.0 mm**	8.0 mm	**12.0 mm**	12.0 mm
02	Observed Wt/m Length **Kg/m**	**0.387**	0.363	**0.885**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**545.0**	500.0	**554.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**21.20**	12.00	**20.30**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**635.0**	545.0	**640.0**	545.0

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NEWZEN CONSULTANT BANGALORE

Date: 04-04-2018

TABLE – 2

SL No	Details	For 16 mm	
		Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**16.0 mm**	16.0 mm
02	Observed Wt/m Length **Kg/m**	**1.581**	1.483
03	Proof stress/Yield stress, fy , **N/mm^2**	**558.0**	500.0
04	Bend/ Re bend Test	**Ok**	---
05	Percentage of Elongation, %	**20.55**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**644.0**	545.0

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